Amendments to the Specification:

Please replace the paragraph beginning at page 6, line 18, with the following rewritten paragraph:

The image processor 160 is connected to receive as input the raw image data 145 from the sensor 140, and operates to process the raw image data 145 and output processed image data 165. For example, if the sensor 140 is a color sensor incorporating a color filter array, the image processor 160 can demosaic the image. Demosaicing is a process by which missing color values for each pixel location are interpolated from neighboring pixels. There are a number of demosaicing methods known in the art today. By way of example, but not limitation, various demosaicing methods include pixel replication, bilinear interpolation and median interpolation. Other types of processing that the image processor 160 can perform include noise filtering, image enhancement, image reconstruction for three-dimensional or X-ray images and extraction of features of the object 130 that are of interest. It should be understood that as used herein, the phrase "features of the object" includes measurements of the object 130, components on a surface of or within the object 130 or other indicia of the object 130. An example of an image reconstruction process for three-dimensional images is described in co-pending and commonly assigned U.S. Application for Patent, Ser. No. [[_____]]10/392,758 (Attorney Docket Number 10021084) filed on 20 March 2003, which is hereby incorporated by reference.